Amino Acid Codon Chart

Circular Version

D E F G H

S T

C

N Q Y

K

R

A

V

I L

M P W

Amino acid side chains

Cysteine

(Cys)

Glutamic

acid (Glu)

Lysine

(Lys)

Aspartic
acid (Asp)

Histidine
(His)
Glycine
(Gly)

Alanine
(Ala)

Leucine
(Leu)

Isoleucine
(Ile)

Phenylalanine
(Phe)

Methionine
(Met)

Proline
(Pro)

Serine
(Ser)
Threonine

(Thr)

Tyrosine
(Tyr)

Asparagine
(Asn)

Glutamine
(Gln)
Arginine
(Arg)

Valine
(Val)
Tryptophan
(Trp)

A C
G U
U

U

U

U

C

C

C

C

A

A

A

A

G

G

G

G

U

U

U

U

U

U

U

U

U U

U

U

U

U

U

U

U C

C

C

C

C

C

C

C C

C

C

C

C

C

C

C A

A

A

A

A

A

A

A A

A

A

A

A

A

A

A G

G

G

G

G

G

G

G

G G

G

G

G

G

G

G

G

STOP

STOP

H

P

L

W

C

Y

S

L G F

E

D

A

V

R

S

K

N

T

S